

# Safety Data Sheet

According to regulation (EG) 1907/2006 (REACH)

Version: December 2010 / GrE

Trade Name: THERMOLAST®

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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Compound for the industrial production of formed plastic parts  
(industrial compound processing)

### 1.3 Details of the supplier of the safety data sheet

#### Supplier:

KRAIBURG TPE GmbH & Co. KG  
Friedrich-Schmidt-Str. 2  
84478 Waldkraiburg, Germany  
+49 (8638) 9810 0

#### E-mail (competent person):

[regulatory@kraiburg-tpe.com](mailto:regulatory@kraiburg-tpe.com)

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## 2. HAZARDS IDENTIFICATION

**Classification** R43, R52-53

**Physical hazards** Not classified as a physical hazard.

**Health hazards** May cause sensitization by skin contact.

**Environmental hazards** Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | Classification | CAS-No. | % | EC-No./REACH<br>Registration no. | Notes |
|------------|----------------|---------|---|----------------------------------|-------|
|------------|----------------|---------|---|----------------------------------|-------|

|          |             |         |         |  |  |
|----------|-------------|---------|---------|--|--|
| Minzette | R43, R52-53 | Mixture | 25 – 50 |  |  |
|----------|-------------|---------|---------|--|--|

### 4. FIRST AID MEASURES

|                       |   |
|-----------------------|---|
| <b>Inhalation</b>     | Move to fresh air. For breathing difficulties, oxygen may be necessary. Get medical attention, if needed.   |
| <b>Skin contact</b>   | Remove contaminated clothing. Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>    | Flush eyes immediately with large amounts of water. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>      | Rinse mouth thoroughly. Do not induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Contact physician if larger quantity has been consumed.  |
| <b>General advice</b> | Take off contaminated clothing and shoes immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

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### 5. FIREFIGHTING MEASURES

|  |   |
|--|---|
| <b>Fire fighting equipment/instructions</b>                          | Use water spray to cool unopened containers. well after the fire is out. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. |
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).  |
| <b>Extinguishing media which must not be used for safety reasons</b> | Do not use water jet.   |
| <b>Specific methods</b>  | Use water spray to cool unopened containers.  |

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### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.  |
| <b>Environmental precautions</b> | Avoid release to the environment. Refer to special instructions/safety data sheets. Prevent further leakage or spillage if safe to do so. Do not contaminate water.   |
| <b>Containment procedures</b>    | Prevent entry into waterways, sewer, basements or confined areas. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. |
| <b>Methods for cleaning up</b>   | Should not be released into the environment.  |
| <b>Large Spills</b>              | Prevent product from entering drains. Shovel up and place in a container for salvage or disposal.   |
| <b>Small Spills</b>              | Collect in containers and seal securely. Remove containers and flush area with water. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.   |

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Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.

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### 7. HANDLING AND STORAGE

#### Handling

Avoid dust formation. Avoid heat, sparks, open flames and other ignition sources. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Use appropriate container to avoid environmental contamination.

#### Storage

Use appropriate container to avoid environmental contamination. Keep containers tightly closed. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames and high temperatures.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Occupational exposure controls

**Respiratory protection** Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Hand protection** Wear protective gloves.

**Eye protection** Avoid contact with eyes. Wear safety glasses with side shields.

**Skin and body protection** Avoid contact with the skin. Wear suitable protective clothing. Wear protective gloves.

**General** Use personal protective equipment as required. Keep working clothes separately.

**Hygiene measures** Avoid contact with eyes. Avoid contact with skin.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

|  |                                   |
|--|-----------------------------------|
| Appearance                                     | Granular.                         |
| Physical state                                 | Solid                             |
| Form   | Solid                             |
| Color  | Colourless. Translucent.          |
| Odor   | Herbal                            |
| Odor threshold                                 | Not available                     |
| pH   | Not applicable                    |
| Boiling point                                  | 160 - 250 °C (320 - 482 °F)       |
| Flash point                                    | > 100 °C (> 212 °F)               |
| Flammability limits in air, upper, % by volume | Not available                     |
| Flammability limits in air, lower, % by volume | Not available                     |
| Vapor pressure                                 | Not available                     |
| Relative density                               | Not available                     |
| Density  | 0.8 - 1 g/cm <sup>3</sup> @ 20 °C |
| Solubility (water)                             | Not available                     |
| Partition coefficient (n-octanol/water)        |                                   |
| Viscosity                                      | Not available                     |
| Vapor density                                  | Not available                     |
| Evaporation rate                               | Not available                     |
| Melting point                                  | Not available                     |
| Freezing point                                 | Not available                     |
| Auto-ignition temperature                      | Not available                     |
| VOC  | Not available                     |
| Decomposition temperature                      | Not available                     |
| Burning index                                  | Not available                     |

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### 10. STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| Conditions to avoid              | Avoid dust formation.                       |
| Hazardous decomposition products | Carbon oxides                               |
| Stability                        | Material is stable under normal conditions. |
| Materials to avoid               | Strong oxidising agents.                    |

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### 11. TOXICOLOGICAL INFORMATION

|                    |  |
|--------------------|--|
| Routes of exposure | Inhalation. Ingestion. Skin contact. Eye contact.  |
| Sensitisation      | May cause sensitisation by skin contact.   |
| Mutagenicity       | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Reproductivity     | Contains no ingredient listed as toxic to reproduction   |
| Local effects      | Dust in the eyes will cause irritation. Inhalation of dusts may cause respiratory irritation.                    |

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### 12. ECOLOGICAL INFORMATION

|                       |  |
|-----------------------|--|
| Ecotoxicity           | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid discharge into drains, water courses or onto the ground. |
| Environmental effects | Harmful to aquatic organisms.  |
| Aquatic toxicity      | May cause long-term adverse effects in the aquatic environment.  |

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### 13. DISPOSAL CONSIDERATIONS

|   |  |
|---|--|
| <b>Disposal instructions</b>                | Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations. |
| <b>Waste from residues/ Unused products</b> | Dispose of in accordance with local regulations.   |
| <b>Contaminated packaging</b>               | Offer rinsed packaging material to local recycling facilities.   |
| <b>EU wastecodes</b>                        | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |

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### 14. TRANSPORT INFORMATION

|             |                                   |
|-------------|-----------------------------------|
| <b>ADR</b>  | Not regulated as dangerous goods. |
| <b>IATA</b> | Not regulated as dangerous goods. |
| <b>IMDG</b> | Not regulated as dangerous goods. |

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## 15. REGULATORY INFORMATION

### Labeling

Symbol(s)



Irritant

### R-phrases(s)

R43 May cause sensitization by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### S-phrases(s)

S24/25 Avoid contact with skin and eyes.  
S36/37 Wear suitable protective clothing and gloves.

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## 16. OTHER INFORMATION

### Wording of the R-phrases in sections 2 and 3

R43 May cause sensitization by skin contact.  
R52 Harmful to aquatic organisms.  
R53 May cause long-term adverse effects in the aquatic environment.

### Inventory status

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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